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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/669,386

09/24/2003

Mark Hamilton Broman

203005

3933

7590

06/06/2006

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EXAMINER

DINH, TUAN T

ART UNIT

PAPER NUMBER

2841

DATE MAILED: 06/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

H.A

**Office Action Summary**

Application No.

10/669,386

Applicant(s)

BROMAN ET AL.

Examiner

Tuan T. Dinh

Art Unit

2841

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 16 March 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1,3,4,6,11,12 and 17-23 is/are pending in the application.
- 4a) Of the above claim(s) 1,3,4 and 6 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 11-12,17-23 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

### **DETAILED ACTION**

1. Applicant's election without traverse of Specie IV (figures 17-19H, claims 1,3-4,6,11-12, and 17-23) in the reply filed on 03/16/06 is acknowledged.

Claims 1, 3-4, and 6 do not read on Specie IV (figures 17-19H). Therefore claims 1, 3-4, and 6 are withdrawn from further consideration as being drawn to non-elected subject matter.

### ***Specification***

2. The disclosure is objected to because of the following informalities:

Page 1, line 3, after filed 12/06/02" please add - - having U.S. Patent 6,819,569, 11/16/04 - - for proper update date.

Appropriate correction is required.

### ***Claim Objections***

3. Claim 11 is objected to because of the following informalities:

Claim 11, line 2, change "input and output terminal" to - - input and output terminals - - for proper reading.

Claim 11, lines 11-12, "said input and output ports" should be changed to - - said input and output terminals - - for proper antecedence basis.

Appropriate correction is required.

***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 11-12, 17-23 are rejected under 35 U.S.C. 102(b) as being anticipated by Bacher (U.S. Patent 4,153,885).

As to claim 11, 17, and 21-23, Bacher discloses a connector as shown in figures 1-21 comprising: a housing (12, column 5, line 22) including at least one input and output terminals (conductors) to coupled to a cylindrical substrate (core or coaxial adapter 14) containing at least one data pathway a respectively conducting data signals in excess of 1 gigahertz between said input and output terminals, column 6, lines 15-17; and a passive thin film circuit mounted to said substrate (figure 10) and serially coupled to said input and output terminals; wherein said thin film circuit exhibits a predetermined impedance characteristic complementary to that of the data pathway to data signals in excess of a predetermined frequency; and wherein said thin film circuit (54) comprises a plurality of resistors (44, 46) and capacitors (79) coupled between said input and said output terminals, wherein said each thin film circuit comprises a substrate (see figure 10), first and second layers defining first and second plates of said capacitors, a dielectric layer intermediate said first and second layers, and wherein one of said first and second layers defines said resistors.

As to claim 12, Bacher discloses the one of said first and second layers that defines said resistors is formed of a material selected from a class of materials including tantalum oxide, silicon dioxide, silicon nitride, or nickel chrome.

As to claim 18, Bacher discloses said substrate comprises a cylindrical conductive member concentrically mounted to adjacent tubular conductors (20) connected to said input and output conductors.

As to claims 19-20, Bacher discloses said core piece (coaxial, see figures 1-13) includes an annular band of conductive material that electrically couples to one of said input and output conductors, said substrate comprises a tubular member concentrically mounted to adjacent conductors connected to said input and output conductors.

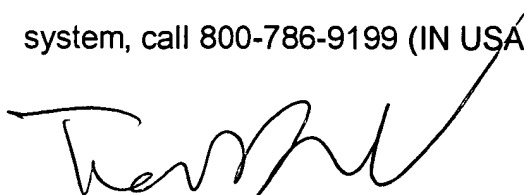
### ***Conclusion***

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Akiba and Hadjicostis et al. disclose related art.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan T. Dinh whose telephone number is 571-272-1929. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kammie Cuneo can be reached on 571-272-1957. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

A handwritten signature in black ink, appearing to read 'Tuan Dinh', with a long, sweeping horizontal line extending to the right.

Tuan Dinh  
May 26, 2006.